

Vigor2900VG Broadband Security VoIP Router

- ◆ Highly integrated broadband security router, combining high-speed routing technology with a comprehensive security suite of firewall, VPN, VoIP, URL content filtering facilities, as well as bandwidth management capability, print-server, and secure wireless access point



VoIP (Voice over IP)

- Supports twin FXS (phone) ports to make and receive real-time voice calls using your existing Internet connection.
- Integration of existing telecom infrastructure with VOIP technology
- State-of-the-art solution for using your existing broadband connectivity to save voice call costs, and provide additional call capacity.
- An ideal replacement for long-distance call services between remote offices or telecommuters.

WAN/Internet

- One 10/100M Base-TX port with a RJ-45 connector
- DHCP client for cable service
- Static IP address assignment for fixed IP networks
- PPPoE/PPTP client for ADSL service

LAN

- 4 port 10/100 Base-TX Ethernet switch
- DHCP server for IP assignment (up to 253 users)
- DNS cache and proxy
- NAT (Network Address Translation)
- Virtual server via port redirection or open port feature
- VLAN support
- Port-based rate throttling capability

Printer Server

- One USB port connector
- Built-in LPR printer server
- Support for Win98/98SE/ME LPR printer
- Compatible with Win2000/XP/MacOS 9/MacOS X built-in LPR printer driver

Firewall Facilities

- Stateful packet inspection
- Selectable DoS/DDoS protection
- IP address anti-spoofing
- User-configurable packet filtering
- NAT/PAT with Port Forwarding/Redirection & DMZ
- E-mail alerting mechanism

Wireless Access Point

- 802.11g support (54Mbps data rate)
- Twin high-gain antennas to give best coverage and diversity
- Backward compatible with 802.11b device
- Wireless security
 - Secure VPN over WLAN
 - WPA Support
 - 802.1x User Authentication
 - 64/128-bit WEP wireless encryption
 - Client MAC address locking
 - SSID stealth

Virtual Private Network (VPN) Facilities

- High performance VPN device
- Up to 32 simultaneous VPN tunnels
- Dial-in or dial-out, LAN-to-LAN or Teleworker-to-LAN
- Protocol support for PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption support for AES, MPPE, and hardware-based DES/3DES
- Authentication support for MD5 and SHA-1
- IKE key management
- Interoperable with other leading 3rd party vendor VPN devices or software

Flexible URL Content Filtering

- Block URL (web-site) by user-defined keywords
- Preclude web surfing from using directly IP address
- Block automatic download of Java applets and Active X controls
- Block web site cookies and proxy
- Block http downloads of file types: Executable/Compressed/Multi-media
- Support time schedule to control the restrictions and regular Internet access

Bandwidth Management Facilities

- Class-based bandwidth guarantee by user-defined traffic categories
- Provision of inbound/outbound bandwidth control
- Support of eight Priority-Levels
- Support of DiffServ-Codepoint marking

Application Support

- Windows Messenger, Yahoo Messenger, MSN Messenger V6.0, NetMeeting, ICQ2001b/2002a, most online gaming, and other multimedia applications
- UPnP protocol support

Router Management

- Web-based User Interface
- Command Line Interface (Telnet)
- Telnet Remote Access Support
- SNMP Agent with MIB-II
- Built-in Diagnostic Function
- Remote Firmware Upgrade
- Quick Start Wizard
- Syslog Monitoring

VoIP	G.168 Line Echo-cancellation	
	Gain control	
	Jitter buffer (125ms)	
	Voice Processing	G.711 A/u law
		G.723.1/G.726
		G.729 A/B
		VAD/CNG
	Tone Generation and Detection	DTMF, Dial, Busy, Ring Back, Call Progress
	Protocol	SIP, RTP/RTCP

Technical Specifications

Hardware Interface	LAN	4-port 10/100 BaseTX Switch with VLAN
	WAN	1-port 10/100 BaseTX port with a RJ-45 connector
	Printer	1-port USB for connecting to USB printer
	VoIP	2-port FXS
	WLAN	IEEE 802.11b/11g
WAN Protocol	PPPoE, DHCP, PPTP, Static IP	
NAT	Multi-NAT, DMZ, Port Redirection, Open Ports, Pass-thru (VPN, VoIP, NetMeeting, MSN messenger, ICQ, Quake...etc.)	
Firewall Features	Access Control, IP-based Packet Filtering, Stateful Packet Inspection, Denial of Service Prevention	
Virtual Private Network	IKE Key Management, IPSec, PPTP, L2TP, L2TP over IPSec Hardware-based DES/3DES Encryption; AES Encryption MPPE Encryption for PPTP; IPSec Authentication (MD5 and SHA-1) Remote Access VPN; VPN Pass Through; Up to 32 tunnels; RADIUS Support	
Routing Support	RIPv2, Configurable Static Route	
Network Features	DHCP server/relay, Dynamic DNS, Call Scheduling, RADIUS Client	
Traffic Management	Guaranteed Bandwidth, Maximum Bandwidth Limitation Eight Priority Levels Support, DiffServ Codepoint marking Support	
URL Filtering	URL Blocking with Exception Handling; Java/ActiveX/Cookies/ proxy Blocking; Executable/Compressed/multimedia file Blocking; URL Blocking by User-defined Keywords; Time schedule Support	
Management	Time Schedule Support; Web-based User Interface Command Line Interface (Telnet) Telnet Remote Access Support; SNMP Agent with MIB-II Built-in Diagnostic Function; Remote Firmware Upgrade Quick Start Wizard; Syslog Monitoring; Attack Alert by E-mail Secure Remote management	
WLAN Access Point	Regulatory approval	EN60950/55022/301489-17/ETSI-300328-2
	Security	64/128-bit WEP 802.1x; WPA VPN over WLAN SSID stealth
	Access Control	MAC address locking
	Transmission Rate	IEEE802.11g and 11b backward compatibility
Max. Power Consumption	10 Watt	Operating temperature: 0° to 45° C (32° to 113° F)
Dimension (cm)	L22.0*W16.0*H3.67	Operating humidity: 90% maximum relative humidity, noncondensing
Power	DC 15V	

